

FIG. 1B

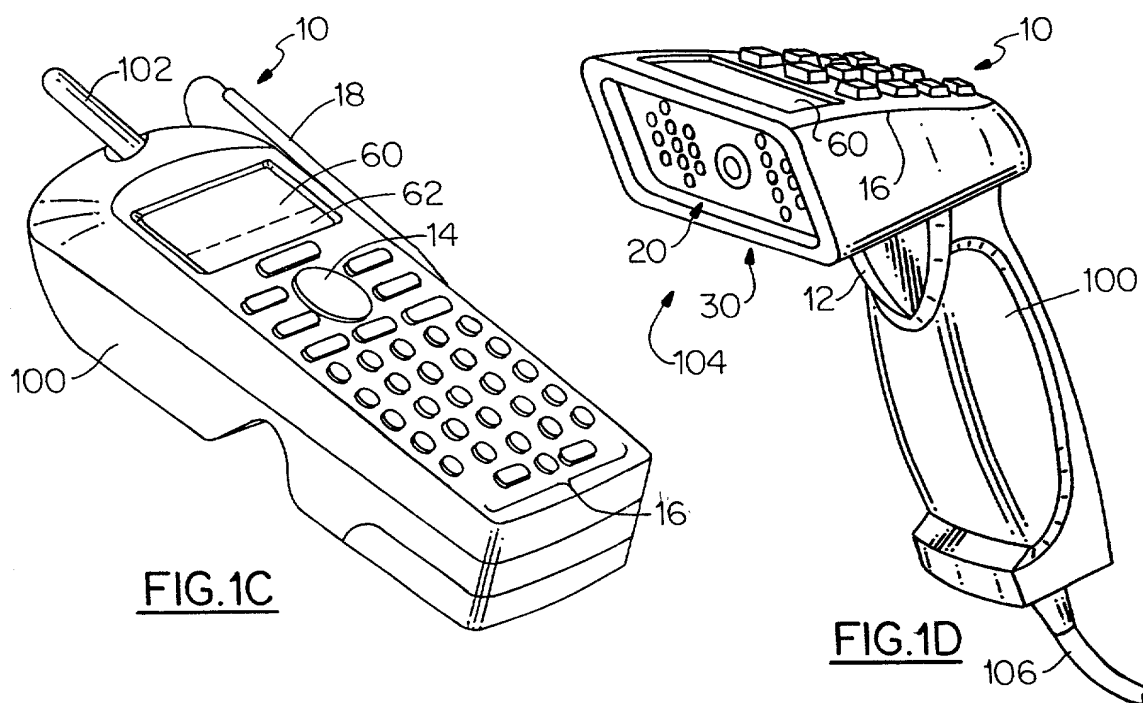


FIG.1C

FIG.1D

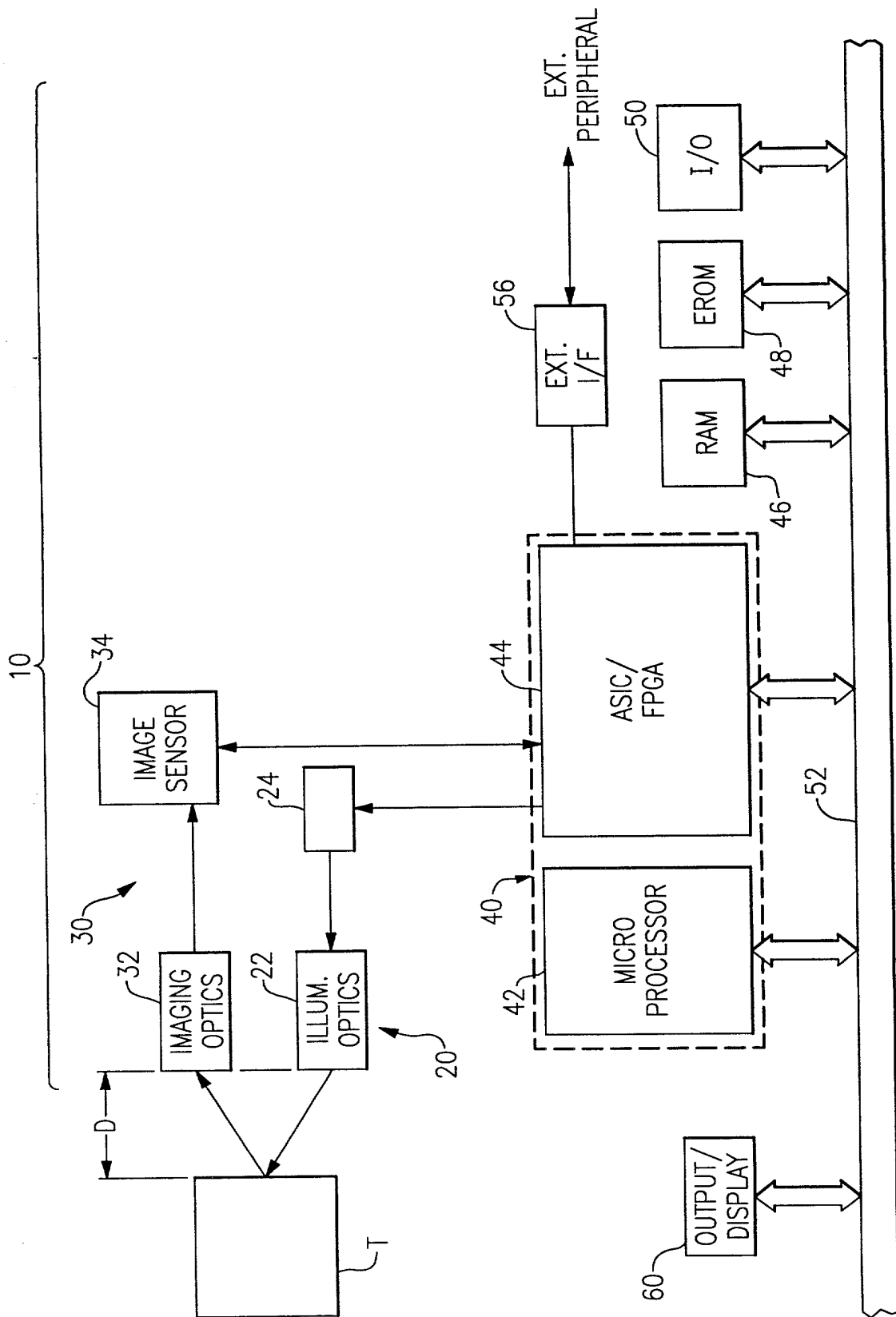
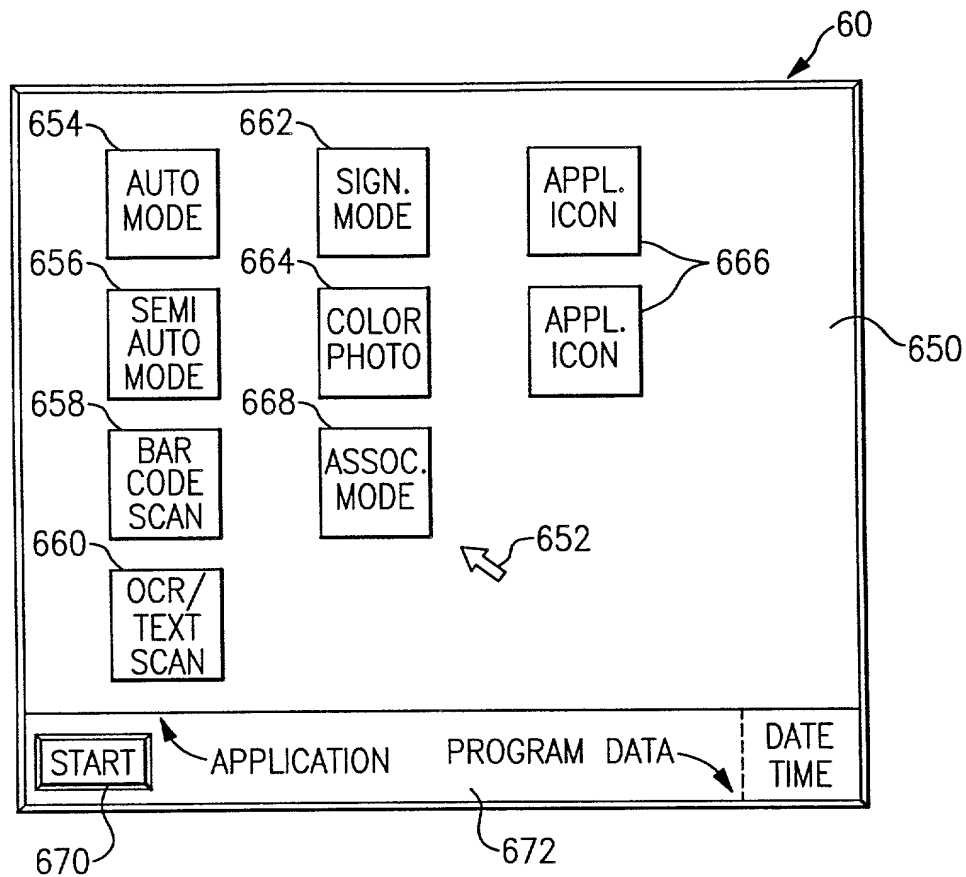
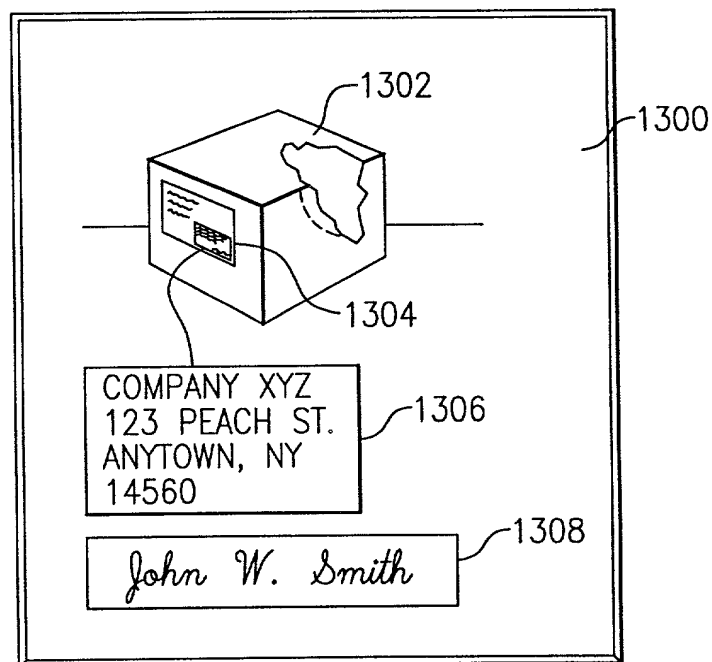


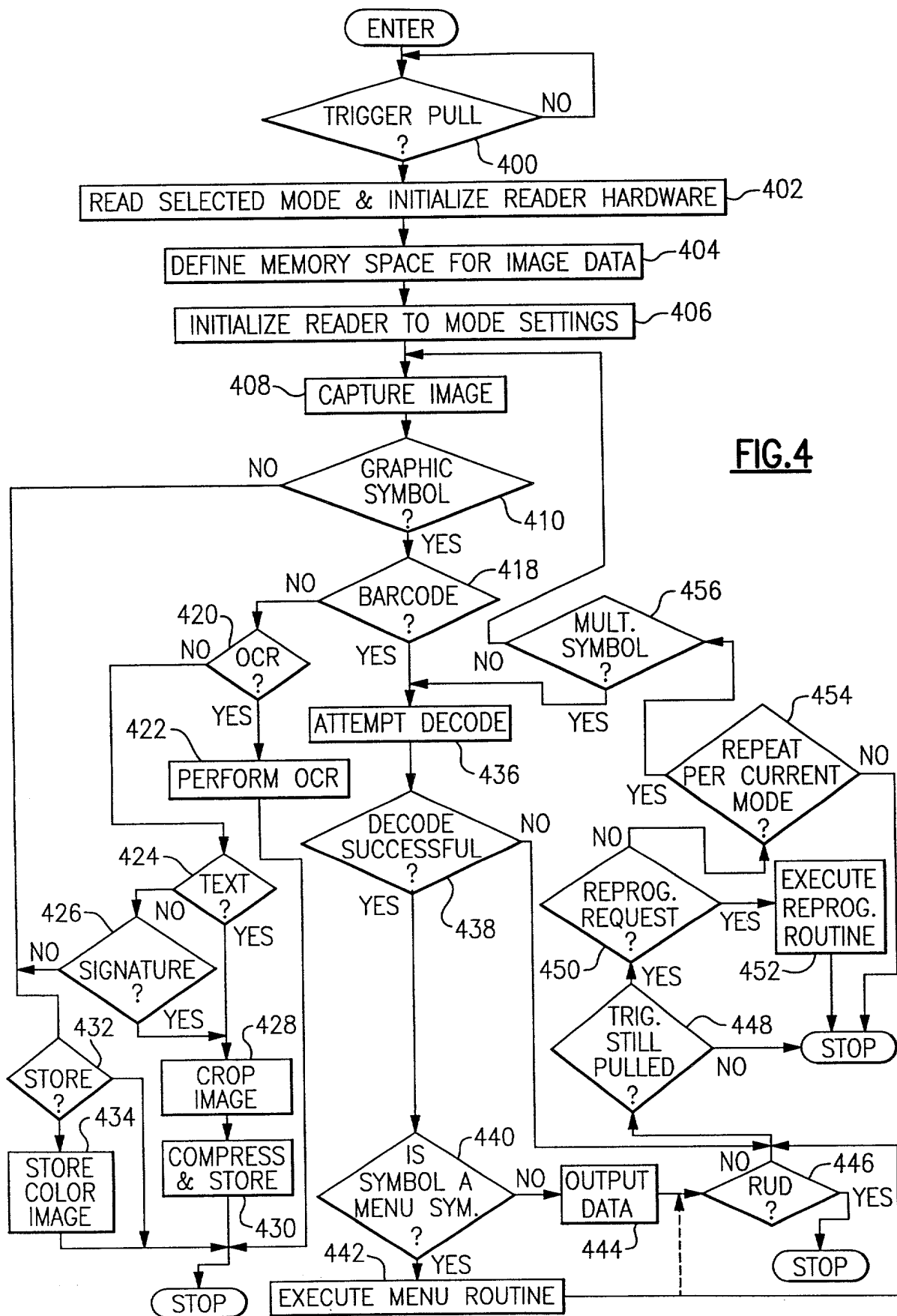
FIG.2

**FIG.3**



**FIG.13**





**FIG. 4**

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The flowchart is divided into two main sections: FIG. 5A (top) and FIG. 5B (bottom).

**FIG. 5A:** This section starts with a decision diamond 512 labeled "STORE?". If the answer is "NO", the flow proceeds to a "STOP" terminal. If the answer is "YES", the flow goes to a process rectangle 514 labeled "STORE COLOR IMAGE". From there, it reaches a decision diamond 516 labeled "ASSOC. W/ANOTHER IMAGE?". If the answer is "NO", the flow proceeds to a decision diamond 522 labeled "OCR?". If the answer is "YES", the flow goes to a process rectangle 518 labeled "MAKE ASSOCIATION", which then loops back to the input of decision diamond 512.

**FIG. 5B:** This section continues from the "OCR?" decision in FIG. 5A. If the answer to "OCR?" is "NO", the flow goes to a decision diamond 526 labeled "TEXT?". If the answer to "TEXT?" is "NO", the flow goes to a decision diamond 532 labeled "SIGNATURE?". If the answer to "SIGNATURE?" is "NO", the flow proceeds to a decision diamond 538 labeled "ASSOCIATE?". If the answer to "SIGNATURE?" is "YES", the flow goes to a decision diamond 534 labeled "VERIFY?". If the answer to "VERIFY?" is "NO", the flow goes to a process rectangle 528 labeled "CROP IMAGE", then to a process rectangle 530 labeled "COMPRESS & STORE", and finally to decision diamond 538. If the answer to "VERIFY?" is "YES", the flow goes directly to decision diamond 538. If the answer to "TEXT?" is "YES", the flow goes directly to decision diamond 538. If the answer to "OCR?" is "YES", the flow goes to a process rectangle 524 labeled "PERFORM OCR", which then loops back to the input of decision diamond 526.

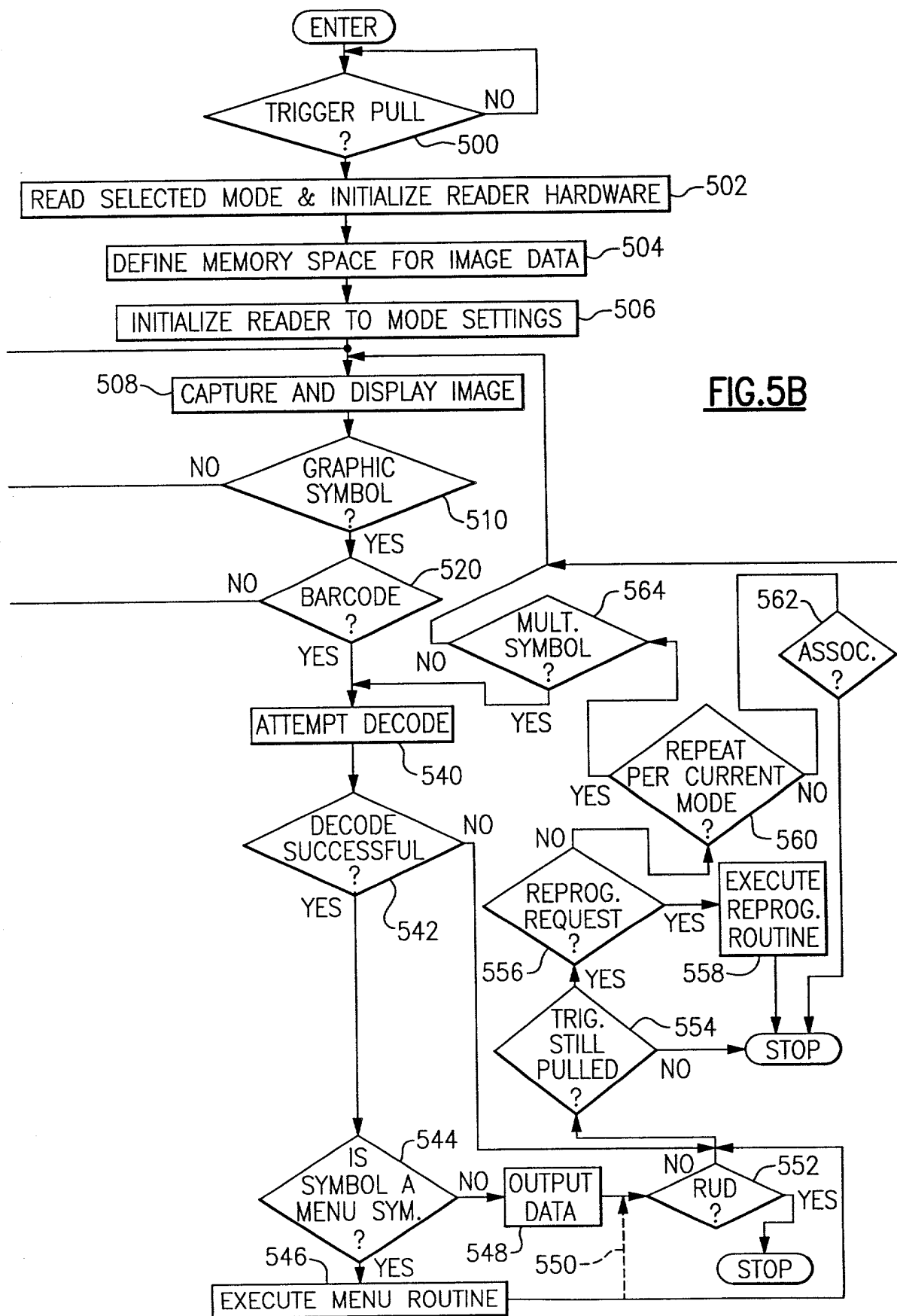
From decision diamond 538, the flow proceeds to a final "STOP" terminal.

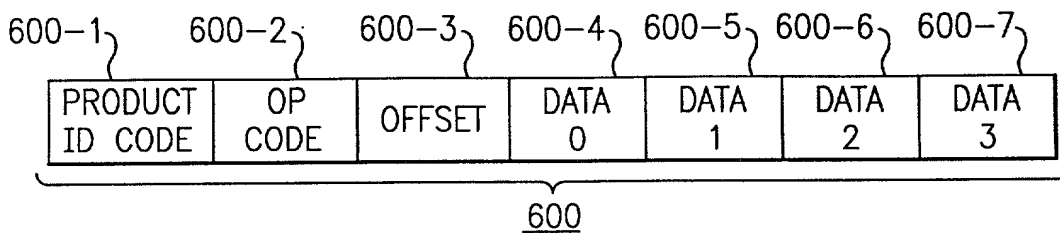
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graph TD
    512{STORE?} -- NO --> Stop1([STOP])
    512 -- YES --> 514[STORE COLOR IMAGE]
    514 --> 516{ASSOC. W/ANOTHER IMAGE?}
    516 -- NO --> 522{OCR?}
    516 -- YES --> 518[MAKE ASSOCIATION]
    518 --> 512
    522 -- NO --> 526{TEXT?}
    522 -- YES --> 524[PERFORM OCR]
    524 --> 526
    526 -- NO --> 532{SIGNATURE?}
    526 -- YES --> 538{ASSOCIATE?}
    532 -- NO --> 538
    532 -- YES --> 534{VERIFY?}
    534 -- NO --> 528[CROP IMAGE]
    534 -- YES --> 538
    528 --> 530[COMPRESS & STORE]
    530 --> 538
    538 --> Stop2([STOP])
  
```

FIG. 5A	FIG. 5B
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**FIG.5**





**FIG.6A**

OPTIONS (OFFSET) TABLE

- A. COMMUNICATIONS OPTIONS
  - 1. RS-232
  - 2. BAUD RATE
  - 3. RF LINK
  - 4. ETHERNET
- B. CODE OPTIONS
  - 1. DISABLE 1D
  - 2. DISABLE 2D
  - 3. DISABLE INDIV.
  - 4. MIN-MAX LENGTH
  - 5. MULTIPLE SYMBOLS ENABLED
- C. SCANNING-DECODING OPTIONS
  - 1. ONE SHOT
  - 2. REPEAT UNTIL DONE
  - 3. REPEAT UNTIL STOPPED
  - 4. SCAN ON DEMAND
  - 5. SKIP SCAN
  - 6. DECODE ON DEMAND
- D. OPERATING OPTIONS
  - 1. BEEPER VOLUME
  - 2. AIMING LED ON/OFF
  - 3. AURAL FEEDBACK
- E. TRANSMIT OPTIONS
  - 1. SEND CHECK CHAR'S
  - 2. SEND CHECKSUM
  - 3. DATA EDIT OPTIONS
- F. READER MODE OPTIONS
  - 1. AUTOMATIC
  - 2. SEMI-AUTOMATIC
  - 3. BAR CODE SCANNING
  - 4. OCR
  - 5. SIGNATURE
  - 6. COLOR IMAGING

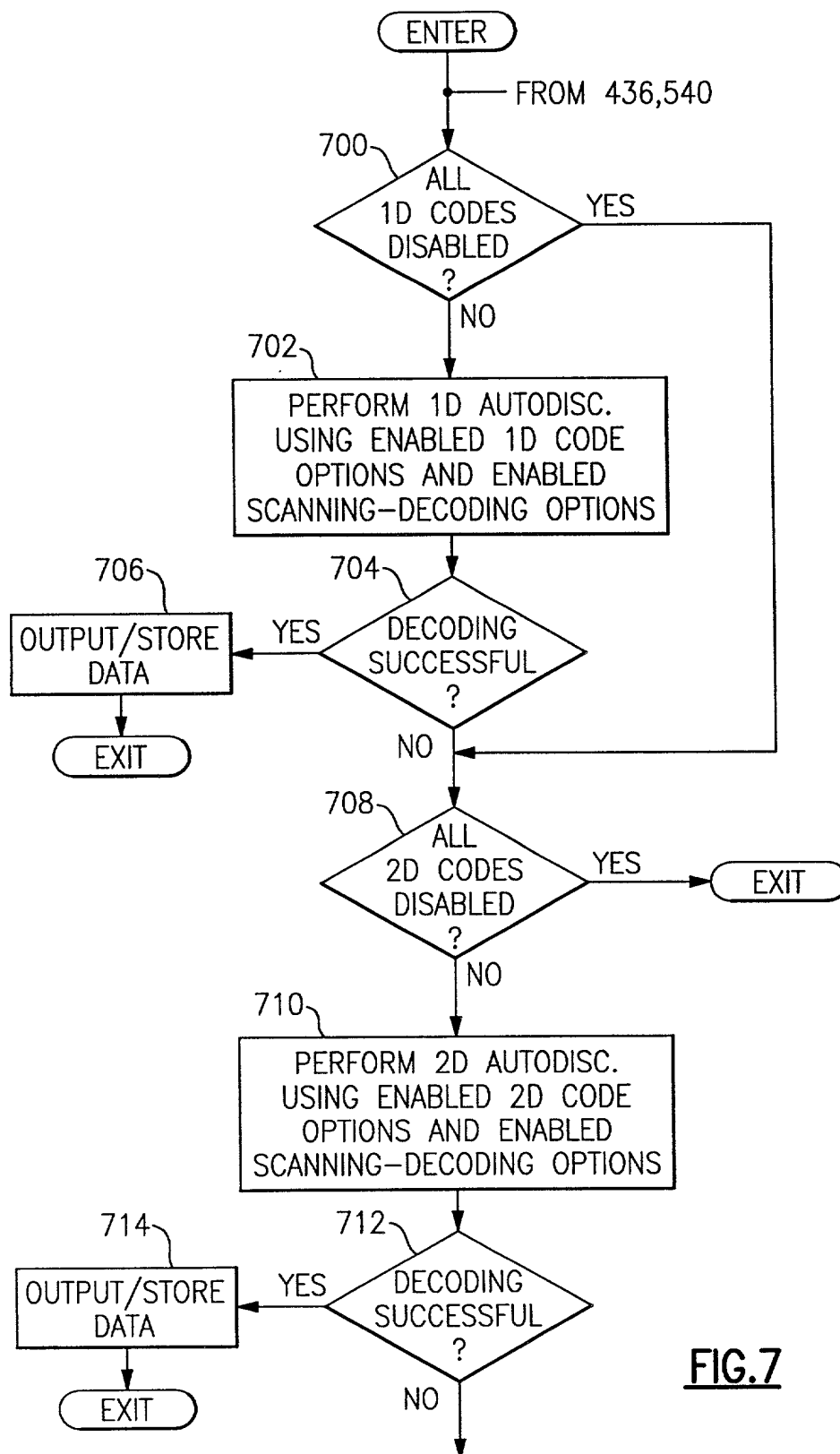
OP CODE TABLE

- A. OP CODE "0"-VECTOR PROC.
  - 1. OUTPUT VERSION OF SOFTWARE
  - 2. OUTPUT CONTENTS OF PARAMETER TABLE
  - 3. DISPLAY ENABLED CODES
  - 4. PRINT PARAMETER TABLE AS BAR CODE SYMBOL
- B. OP CODE "1" - CLEAR
- C. OP CODE "2" - SET
- D. OP CODE "3" - TOGGLE
- E. OP CODE "4" - ADD
- F. OP CODE "5" - DEFAULT
- G. OP CODE "6" - LOAD
- H. OP CODE "7" - RESERVED

**FIG.6C**

**FIG.6B**

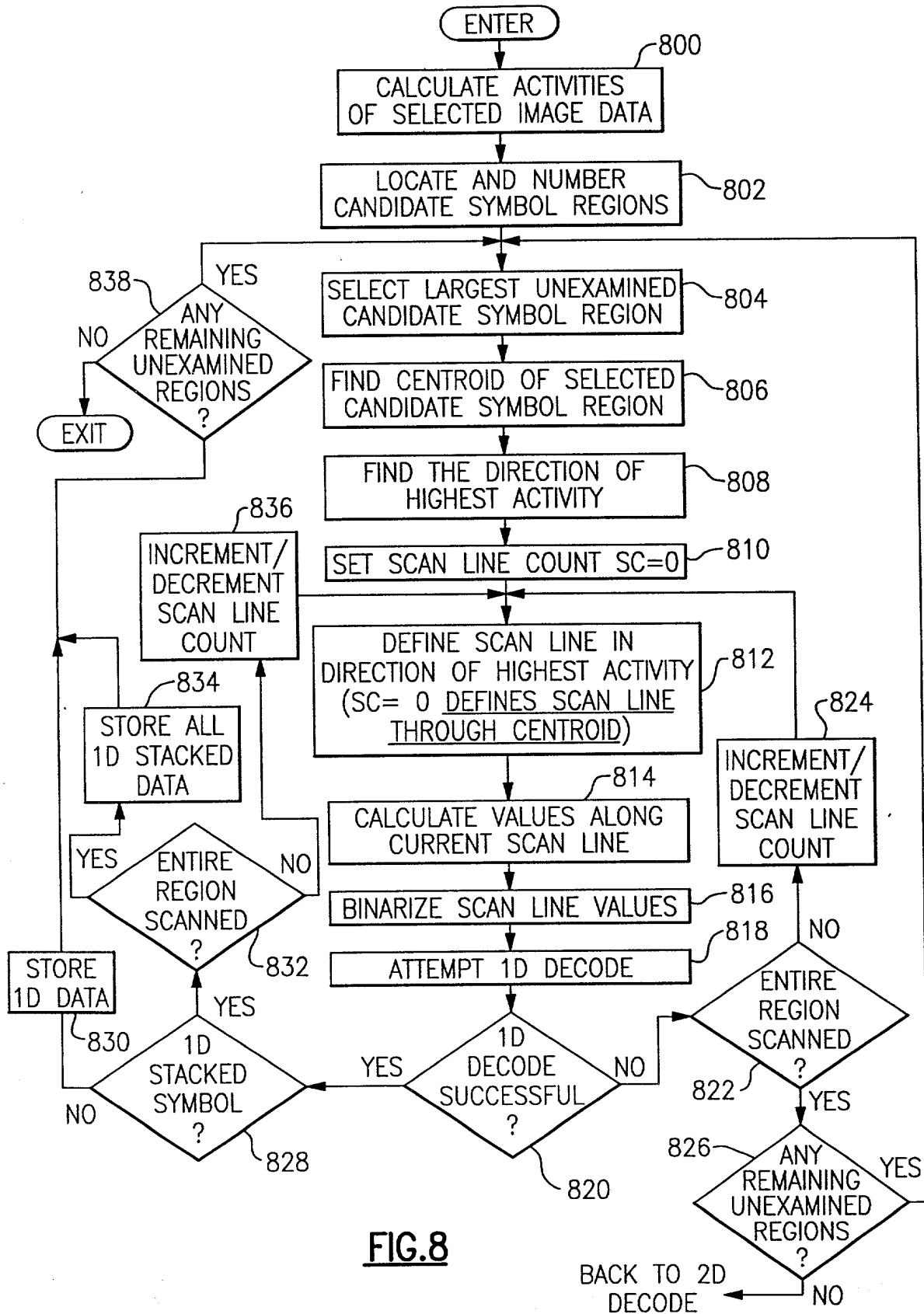
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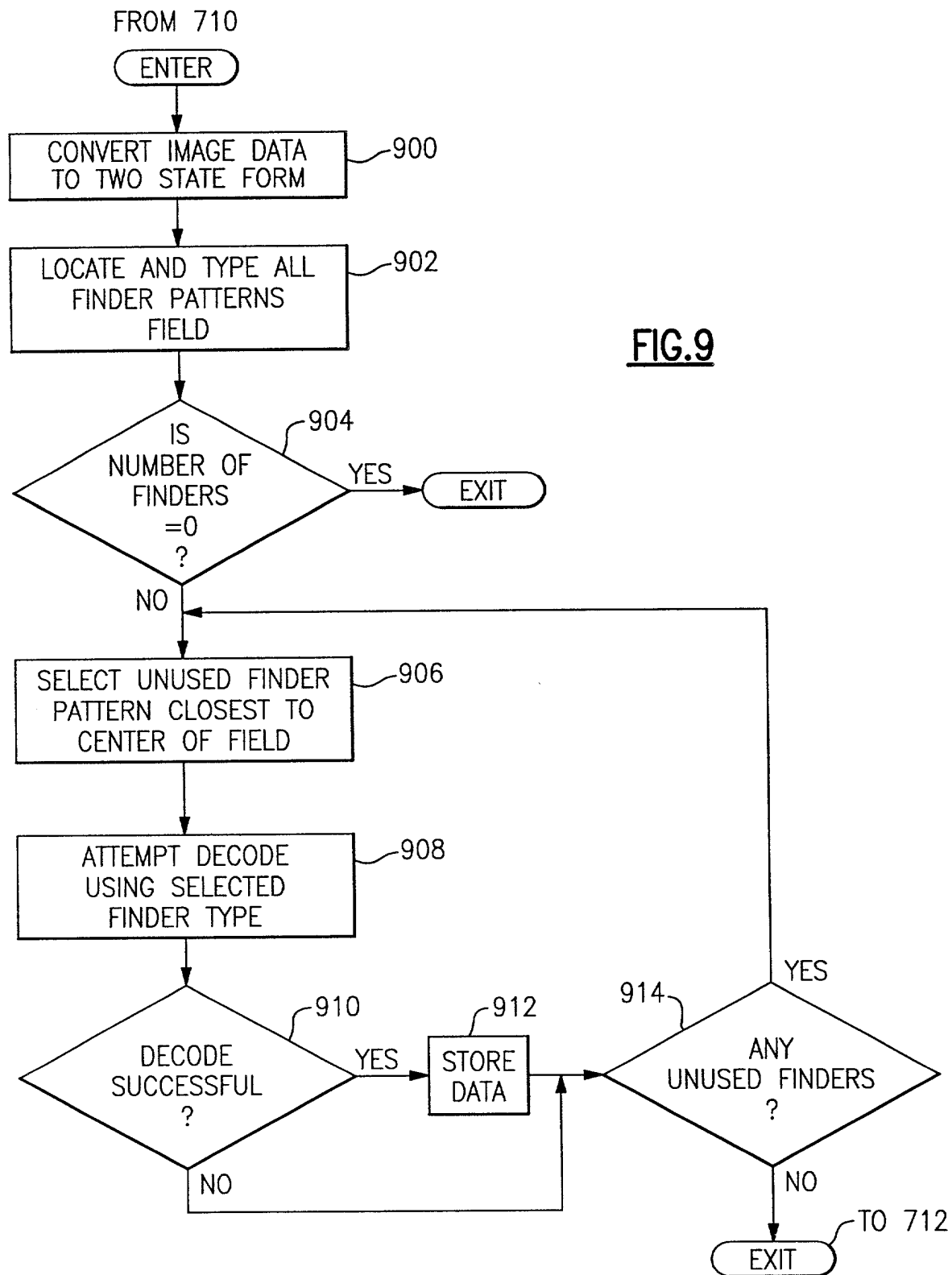
**FIG.7**

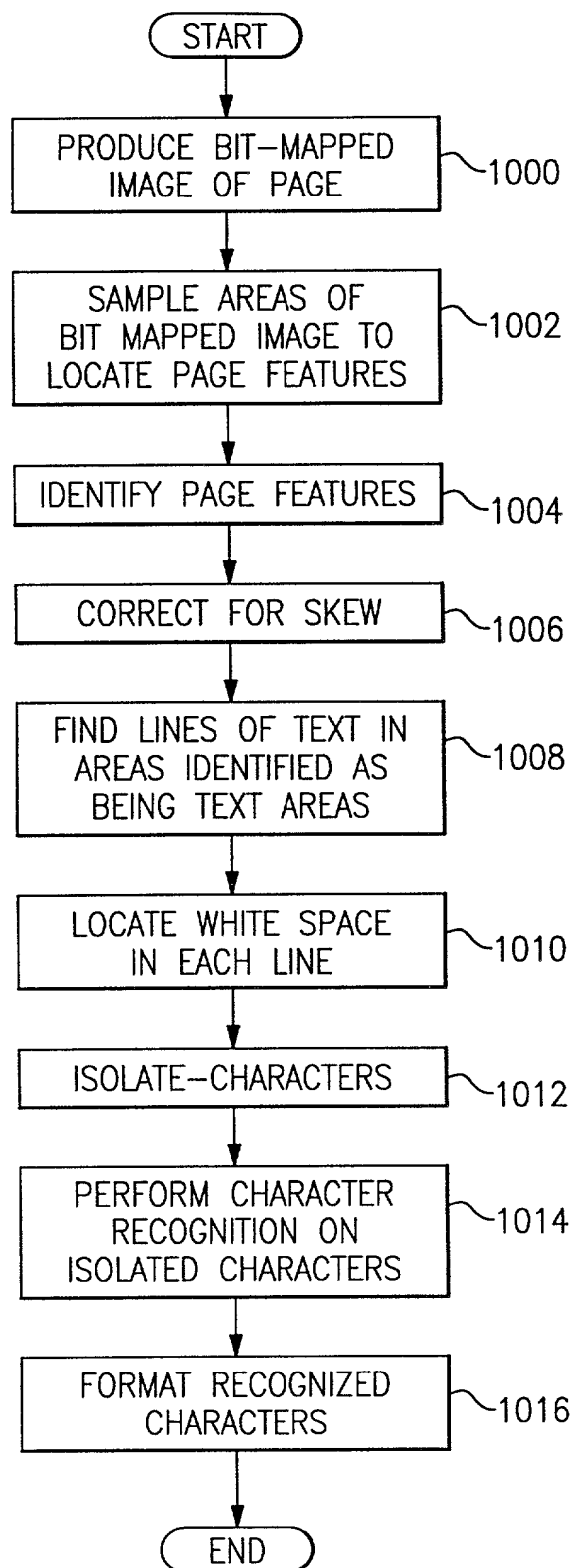


FROM 1D DECODE

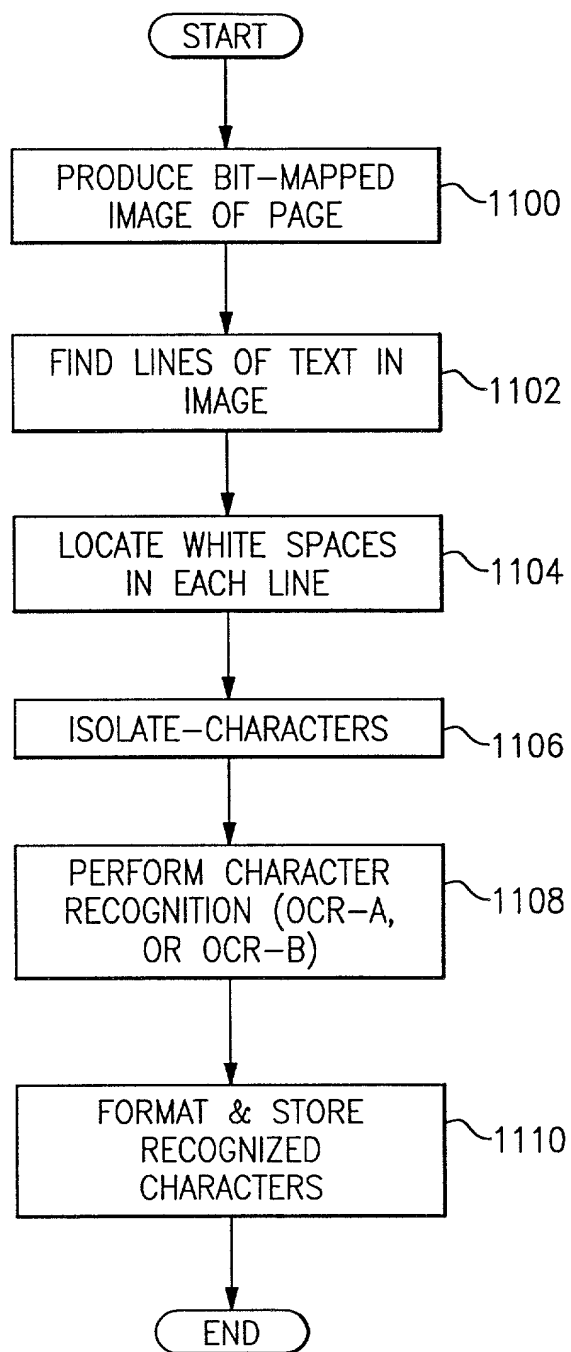


**FIG.8**

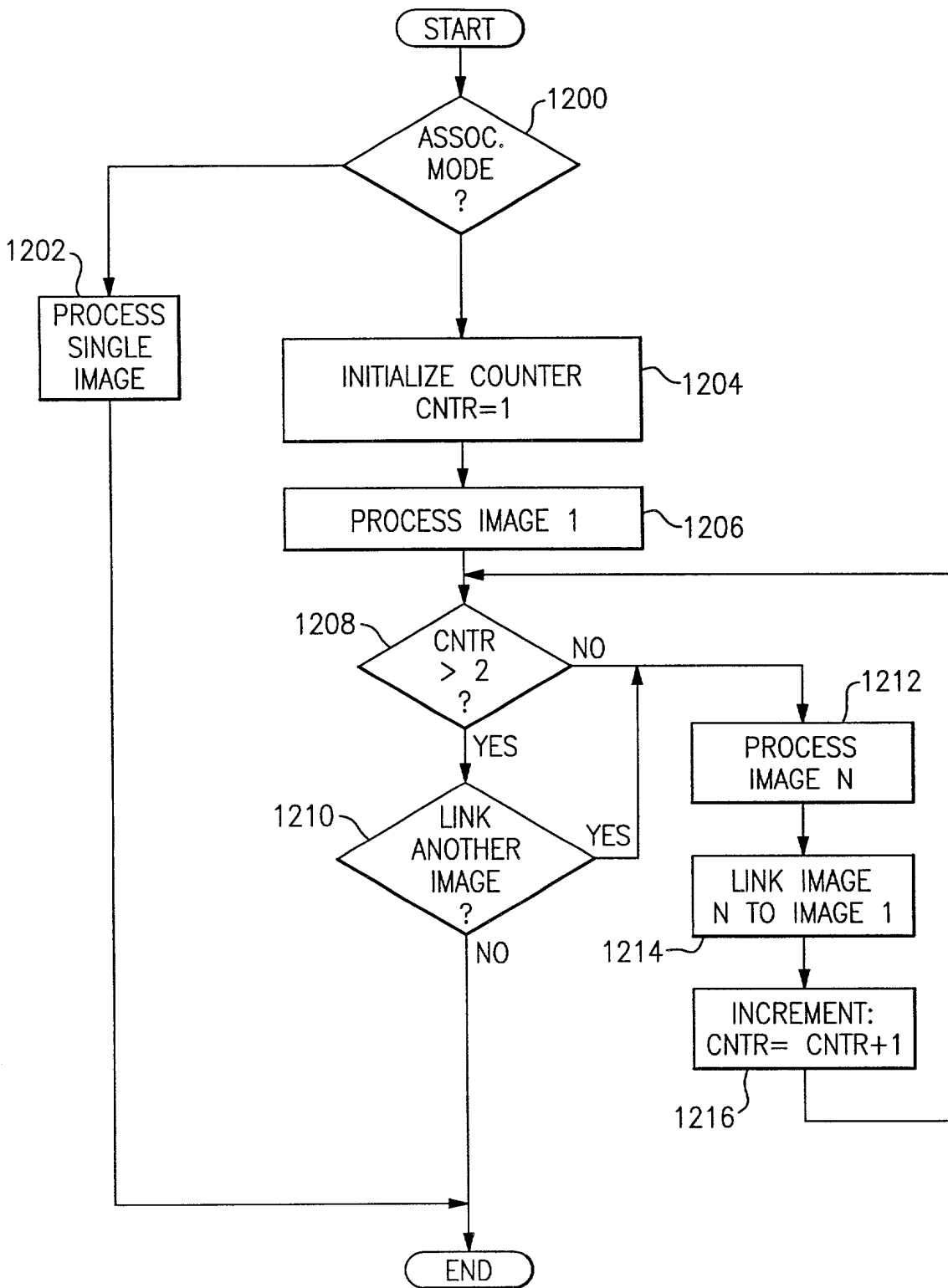




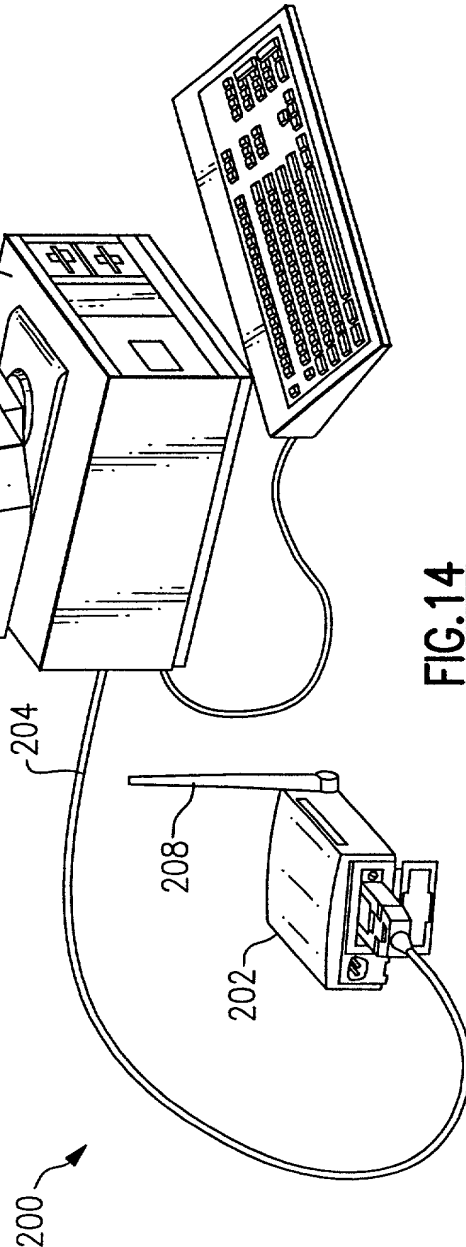
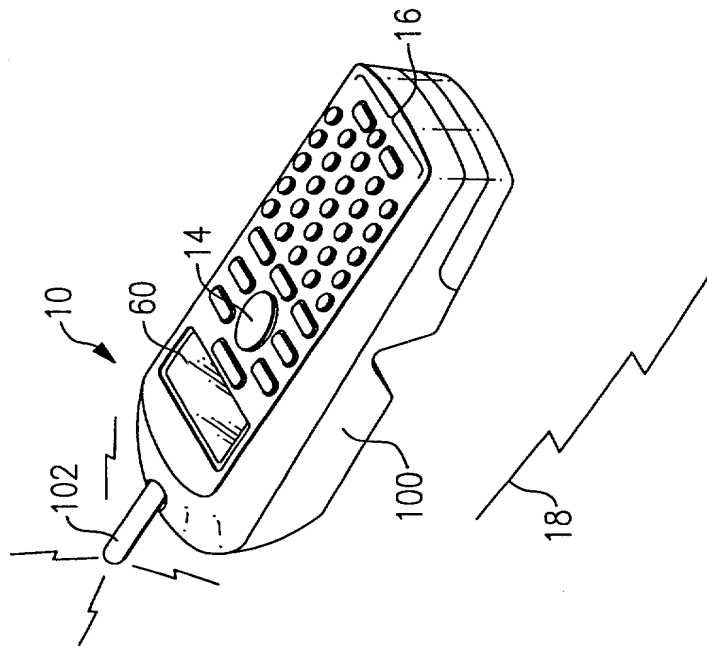
**FIG.10**



**FIG.11**



**FIG.12**



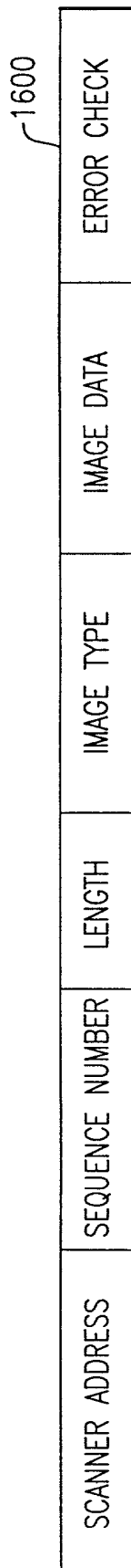


FIG.16A

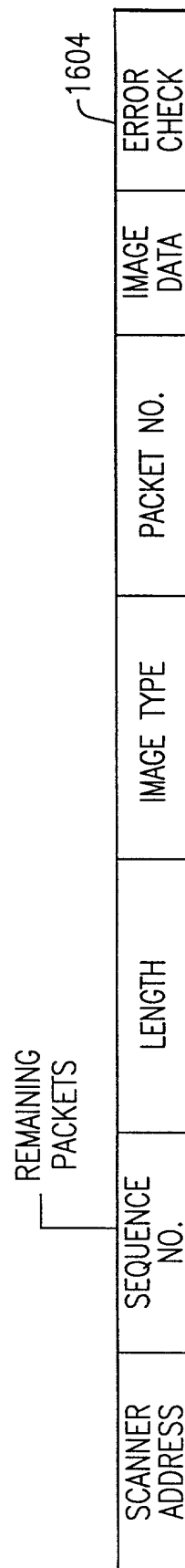
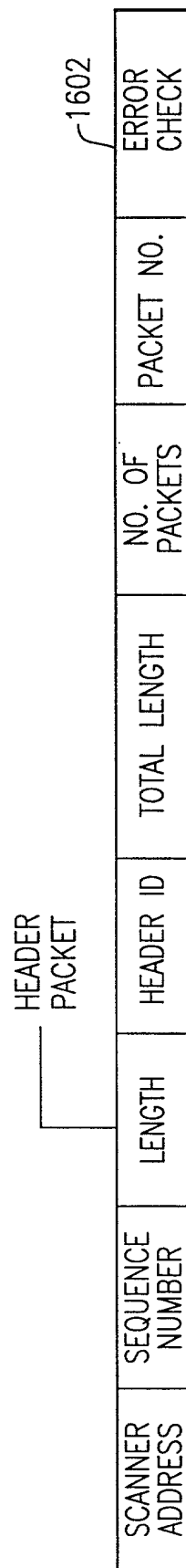
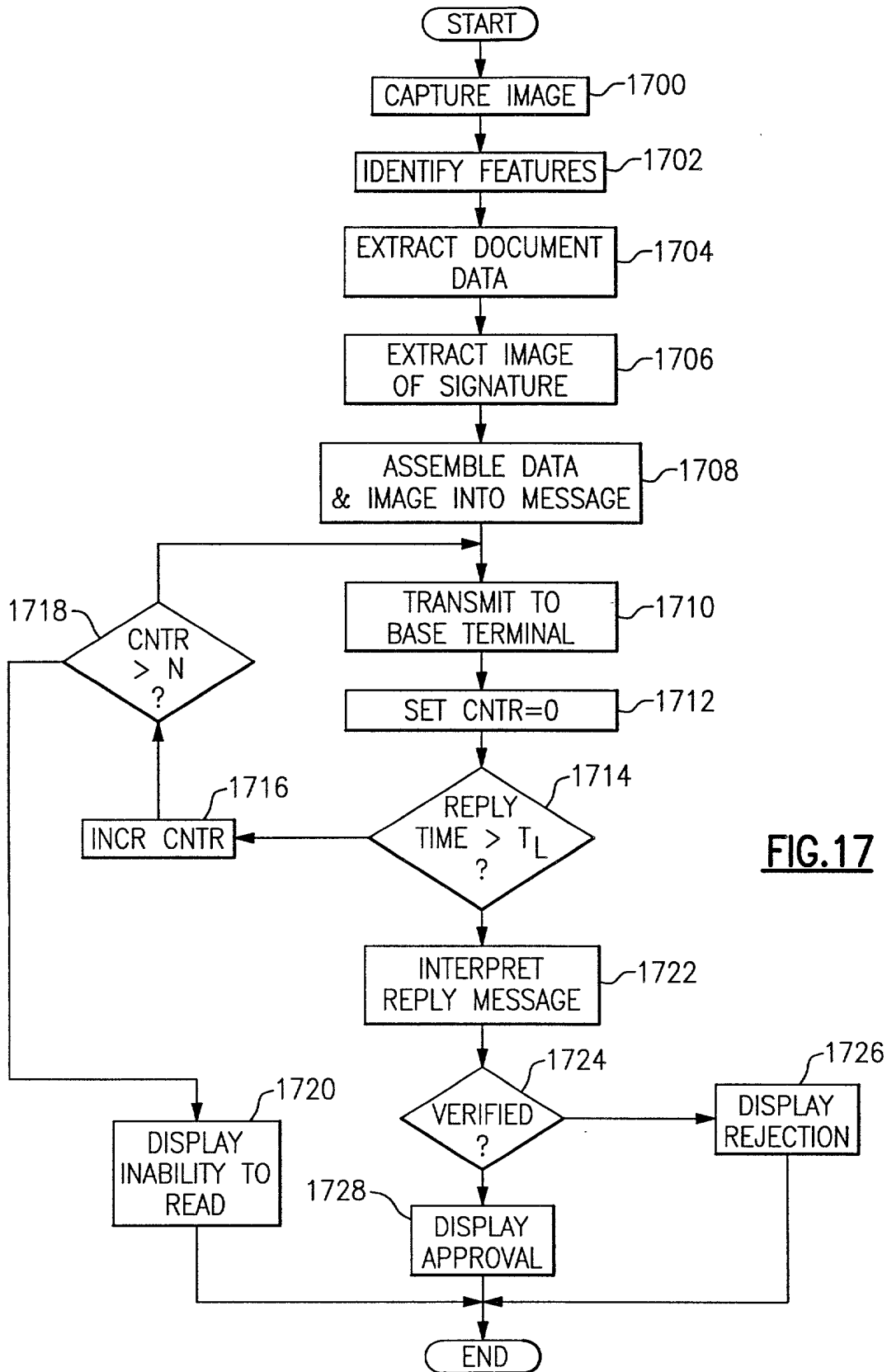
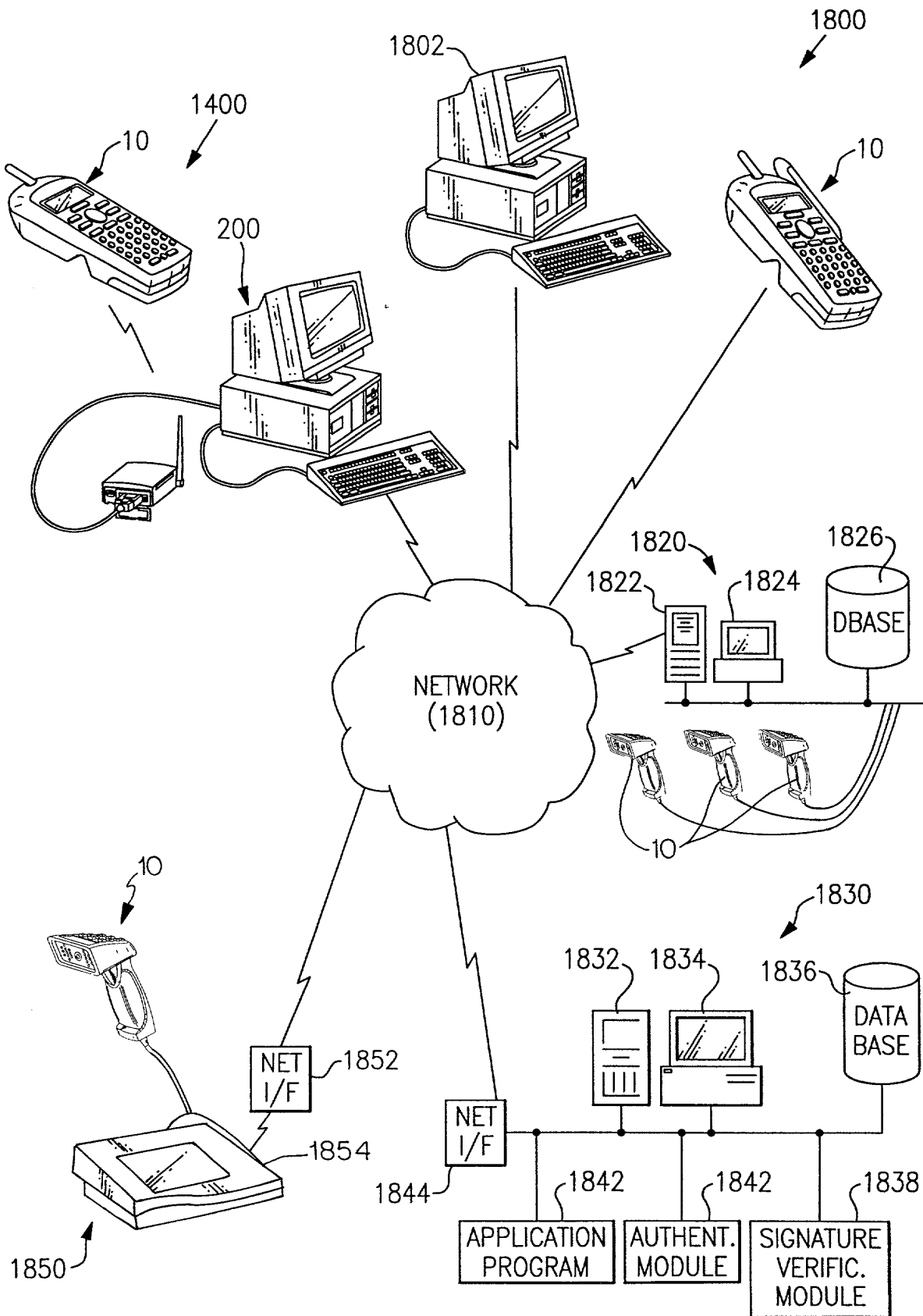


FIG.16B



**FIG.17**





**FIG.18**